

Appl. No.: 10/525,540

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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in this application.

1-2. (Cancelled).

3. (Currently Amended) A portable ophthalmic apparatus ~~according to claim 2,~~
comprising:

a supporting part which attaches detachably to a portable device having a photographing camera part on a photographing optical axis; and

a main body which is arranged integrally with said supporting part and which comprises an illumination optical system for radiating an illumination beam toward photographing objective eyes along an illumination optical axis intersected at a predetermined angle with said photographing optical axis,

wherein an illumination condition of said illumination optical system is changeable, and

wherein said portable device is a personal digital assistant having a telecommunication function part.

4. (Currently Amended) A portable ophthalmic apparatus ~~according to claim 1,~~
comprising:

a supporting part which attaches detachably to a portable device having a photographing camera part on a photographing optical axis; and

a main body which is arranged integrally with said supporting part and which comprises an illumination optical system for radiating an illumination beam toward photographing objective eyes along an illumination optical axis intersected at a predetermined angle with said photographing optical axis.

wherein an illuminating condition depends upon an angle formed by said photographing optical axis and said illumination optical axis, and a shape or volume of said illumination beam.

5. (Currently Amended) A portable ophthalmic apparatus ~~according to claim 1,~~ comprising:

a supporting part which attaches detachably to a portable device having a photographing camera part on a photographing optical axis; and

a main body which is arranged integrally with said supporting part and which comprises an illumination optical system for radiating an illumination beam toward photographing objective eyes along an illumination optical axis intersected at a predetermined angle with said photographing optical axis.

wherein said main body comprises a photographing assistant optical system which is configured in such a manner that a photographic condition of the photographing assistant optical system is changeable in accordance with changing of illumination conditions.

6. (Previously Presented) A portable ophthalmic apparatus according to claim 5, wherein said photographing assistant optical system comprises a zoom lens or an auxiliary lens, and wherein the auxiliary lens is set and position of zoom of the zoom lens is changeable in accordance with the photographic conditions.

7. (Cancelled).

8. (Currently Amended) A portable ophthalmic apparatus ~~according to claim 1,~~
comprising:

a supporting part which attaches detachably to a portable device having a photographing camera part on a photographing optical axis; and

a main body which is arranged integrally with said supporting part and which comprises an illumination optical system for radiating an illumination beam toward photographing objective eyes along an illumination optical axis intersected at a predetermined angle with said photographing optical axis.

wherein said illumination optical system comprises a slit opening stop and wherein, by projecting a slit illumination beam toward said photographing objective eyes, sectional shapes of a cornea and a crystal lens are photographed.

9. (Cancelled).

10. (Currently Amended) A portable ophthalmic apparatus ~~according to claim 1,~~
comprising:

a supporting part which attaches detachably to a portable device having a photographing camera part on a photographing optical axis; and

a main body which is arranged integrally with said supporting part and which comprises an illumination optical system for radiating an illumination beam toward photographing objective eyes along an illumination optical axis intersected at a predetermined angle with said photographing optical axis.

wherein said main body comprises a concentric placido-disc illumination optical system and wherein a cornea of each of said photographing objective eyes is ring-illuminated.

11. (Currently Amended) A portable ophthalmic apparatus ~~according to claim 1,~~
comprising:

a supporting part which attaches detachably to a portable device having a photographing camera part on a photographing optical axis; and

a main body which is arranged integrally with said supporting part and which comprises an illumination optical system for radiating an illumination beam toward photographing objective eyes along an illumination optical axis intersected at a predetermined angle with said photographing optical axis,

wherein said supporting part comprises a pair of legs which are movable to approach and move away or extend and contract with respect to each other.

12. (Currently Amended) A portable ophthalmic apparatus ~~according to claim 1,~~
comprising:

a supporting part which attaches detachably to a portable device having a photographing camera part on a photographing optical axis; and

a main body which is arranged integrally with said supporting part and which comprises an illumination optical system for radiating an illumination beam toward photographing objective eyes along an illumination optical axis intersected at a predetermined angle with said photographing optical axis,

wherein said supporting part is slidable relative to said main body.

13. (Currently Amended) An ophthalmic system comprising ~~the~~ a portable ophthalmic apparatus ~~according to claim 1,~~ that comprises:

a supporting part which attaches detachably to a portable device having a photographing camera part on a photographing optical axis; and

a main body which is arranged integrally with said supporting part and which comprises an illumination optical system for radiating an illumination beam toward photographing

objective eyes along an illumination optical axis intersected at a predetermined angle with said photographing optical axis,

wherein the portable device has a command function which processes graphic data of the photographing objective eyes at an end destination.

14. (Previously Presented) An ophthalmic system according to claim 13, wherein the portable device is adapted to transmit one or more of the group consisting of literal data, symbol data, and graphic data.

15. (Currently Amended) A portable ophthalmic apparatus ~~according to claim 2,~~
comprising:

a supporting part which attaches detachably to a portable device having a photographing camera part on a photographing optical axis; and

a main body which is arranged integrally with said supporting part and which comprises an illumination optical system for radiating an illumination beam toward photographing objective eyes along an illumination optical axis intersected at a predetermined angle with said photographing optical axis,

wherein an illumination condition of said illumination optical system is changeable, and

wherein an illuminating condition depends upon an angle formed by said photographing optical axis and said illumination optical axis, and a shape or volume of said illumination beam.

16. (Currently Amended) A portable ophthalmic apparatus ~~according to claim 2,~~
comprising:

a supporting part which attaches detachably to a portable device having a photographing camera part on a photographing optical axis; and

a main body which is arranged integrally with said supporting part and which comprises an illumination optical system for radiating an illumination beam toward photographing

objective eyes along an illumination optical axis intersected at a predetermined angle with said photographing optical axis.

wherein an illumination condition of said illumination optical system is changeable, and

wherein said main body comprises a photographing assistant optical system which is configured in such a manner that a photographic condition of the photographing assistant optical system is changeable in accordance with changing of illumination conditions.

17. (Previously Presented) A portable ophthalmic apparatus according to claim 16, wherein said photographing assistant optical system comprises a zoom lens or an auxiliary lens, and wherein the auxiliary lens is set and position of zoom of the zoom lens is changeable in accordance with the photographic conditions.

18. (Currently Amended) A portable ophthalmic apparatus ~~according to claim 2,~~
comprising:

a supporting part which attaches detachably to a portable device having a photographing camera part on a photographing optical axis; and

a main body which is arranged integrally with said supporting part and which comprises an illumination optical system for radiating an illumination beam toward photographing objective eyes along an illumination optical axis intersected at a predetermined angle with said photographing optical axis,

wherein an illumination condition of said illumination optical system is changeable, and

wherein said illumination optical system comprises a slit opening stop and wherein, by projecting a slit illumination beam toward said photographing objective eyes, sectional shapes of a cornea and a crystal lens are photographed.

19. (Currently Amended) A portable ophthalmic apparatus ~~according to claim 2,~~
comprising:

a supporting part which attaches detachably to a portable device having a photographing camera part on a photographing optical axis; and

a main body which is arranged integrally with said supporting part and which comprises an illumination optical system for radiating an illumination beam toward photographing objective eyes along an illumination optical axis intersected at a predetermined angle with said photographing optical axis,

wherein an illumination condition of said illumination optical system is changeable, and

wherein said main body comprises a photographing assistant optical system for photographing an eye ground of the photographing objective eyes, and wherein said illumination optical system is adapted to change an angle which forms between said photographing optical axis and the illumination optical system.

20. (Currently Amended) A portable ophthalmic apparatus ~~according to claim 2,~~ comprising:

a supporting part which attaches detachably to a portable device having a photographing camera part on a photographing optical axis; and

a main body which is arranged integrally with said supporting part and which comprises an illumination optical system for radiating an illumination beam toward photographing objective eyes along an illumination optical axis intersected at a predetermined angle with said photographing optical axis,

wherein an illumination condition of said illumination optical system is changeable, and

wherein said main body comprises a concentric placido-disc illumination optical system and wherein a cornea of each of said photographing objective eyes is ring-illuminated.